

CLAIMS

- 09869840-072301
1. An internal magnetic shield for a cathode ray tube comprising:
a pair of opposing long side walls;
5 a pair of opposing short side walls; and
an opening enclosed by these side walls in an center,
wherein at least one pair of the long and short side walls are
provided with notches having a substantially home-plate shape.
- 10 2. An internal magnetic shield for a cathode ray tube comprising:
a pair of opposing long side walls;
a pair of opposing short side walls; and
an opening enclosed by these side walls in an center,
15 wherein at least one pair of the long and short side walls are
provided with notches, and each of the notches is formed by at least two
pairs of opposing cutting edges with different orientations.
- 20 3. The internal magnetic shield according to claim 2, wherein one pair
of the at least two pairs of opposing cutting edges are parallel to each other.
- 25 4. The internal magnetic shield according to claim 2, wherein one pair
of the at least two pairs of opposing cutting edges are provided so that a
width of the opposing cutting edges is increased from an electron gun side to
a phosphor screen side.
- 30 5. The internal magnetic shield according to claim 1 or 2, wherein a
straight cutting edge substantially parallel to a phosphor screen is formed
at a bottom of each of the notches.
- 35 6. A cathode ray tube comprising:
an envelope having a front panel and a funnel;
a phosphor screen formed on an inner surface of the front panel;
a color selection electrode arranged to face the phosphor screen;
an electron gun placed in the funnel; and
an internal magnetic shield placed between the color selection
electrode and the electron gun,
wherein said internal magnetic shield is the magnetic shield
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according to claim 1 or 2.

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